



# **CURRICULUM VITAE**

**DR. MANJU.P. NAIR**

DHANYA MADATHIL (H)

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## **EDUCATION**

<b>Exam Passed</b>	<b>Specialisation</b>	<b>Name of the College/ Institute</b>	<b>University/ Board</b>	<b>Year of Passing</b>	<b>% Marks /GPA</b>
<b>Ph. D</b>	<b>Marine Chemistry</b>	CUSAT, Kerala	CUSAT, Kerala	2015	8.25
<b>MPhil</b>	<b>Marine Chemistry</b>	CUSAT, Kerala	CUSAT, Kerala	2010	70
<b>B. Ed</b>	<b>Physical science</b>	M.E.S. Training College, Kerala	M G University, Kerala	2008	67
<b>MSc</b>	<b>Chemistry</b>	Union Christian College, Kerala	M G University, Kerala	2007	78
<b>BSc</b>	<b>Chemistry</b>	Union Christian College, Kerala	M G University, Kerala	2005	90
<b>Plus Two</b>	<b>Science</b>	G.G.H.S.S. North Paravoor, Kerala	Board of Higher Secondary Examination, Kerala	2002	74
<b>SSLC</b>	<b>General</b>	G.G.H.S.S. North Paravoor, Kerala	Board of Public Examination, Kerala	2000	85

<b>TEACHING EXPERIENCE</b>		
Name of Organization	Period	Designation & Nature of Duties
S N M Polytechnic College Maliankara, Kerala	5 months (2020)	Lecturer
S N M College Maliankara, Kerala	7 months (2018-2019)	Guest Lecturer, Project guide at UG and PG Level
Maharaja's College, Ernakulam, Kerala	4 months (2018-2019)	Guest Lecturer
S N M College Maliankara, Kerala	1 year (2016-2018)	Guest Lecturer, Project guide at UG and PG Level
Parul University, Gujarat	1 year (2015-2016)	Assistant Professor, Curriculum developer for integrated Courses
Holy Mata College of Engineering and Technology, Kerala	6 months (2008-2009)	Guest Lecturer
Jnanadeepam (KIDS), N.Paravoor, Kerala	4 years (2008-2012)	Guest Lecturer in Tuition and Entrance class
Holy India Senior Secondary School, N.Paravoor, Kerala	1 year (2008-2009)	Guest Lecturer
Settlement H.S.S. Alwaye, Kerala	1 year (2009)	Guest Lecturer
Little Hearts School, N.Paravoor, Kerala	1 year (2008-2009)	Guest Lecturer
Maria Teresa Scilli EM School, N.Paravoor, Kerala	1 year (2008-2009)	Guest Lecturer
ACE Entrance coaching centre N.Paravoor, Kerala	6 months (2007-2008)	Guest Lecturer
TIME Entrance coaching centre, N.Paravoor, Kerala	1 year	Guest Lecturer in Entrance crash

	(2018-2019)	Course
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## PUBLICATIONS

### 10 ARTICLES PUBLISHED IN INTERNATIONAL JOURNALS

<u>Name of Journal</u>	<u>International I/National</u>	<u>Article Details</u>
International Journal of Environmental Research	International	<b>Manju P. Nair.</b> , Akhil P.S and Sujatha C.H, 2014. Toxic Metal Distribution in the Core Sediment of Cochin Estuarine System (CES). <i>International Journal of Environmental Research</i> 8(1) 133-138.
Research journal of chemistry and environment	International	<b>Manju. P. Nair.</b> , Akhil P. S. Sujatha C.H. 2013. Geochemistry of Core Sediment from Antarctic Region. <i>Research journal of chemistry and environment</i> 17(2), 8-12.
Research Journal of Chemical Sciences	International	<b>Manju.P.Nair</b> and Sujatha.C.H. 2013. Environmental Geochemistry of Core Sediment in the Cochin Estuary (CE). <i>Research Journal of Chemical Sciences</i> 3(4), 65-69.
Journal of Earth system Sciences.	International	Akhil P.S, <b>Manju.P. Nair</b> and Sujatha C.H <b>2013</b> . Core Sediment Biogeochemistry in Specific Zones of Cochin Estuarine System (CES). <i>Journal of Earth system Sciences</i> . 122(6) 1557-1570.

International Journal of Recent Scientific Research	International	<b>Manju.P.Nair</b> and Sujatha. C.H. 2013. Biennial Metal Discrepancy in the Surface Sediment of Cochin Estuarine System. <i>International Journal of Recent Scientific Research</i> 4(9) 1365- 1369.
International Journal of Green and Herbal Chemistry	International	<b>Manju.P.Nair</b> and Sujatha. C.H. 2013. Iron fractionation in the Sediments of Kerala Coast. <i>International Journal of Green and Herbal Chemistry</i> 2(3) 555-561.
Journal of Chemical, Biological and Physical Sciences	International	<b>Manju.P.Nair</b> and Sujatha. C.H. 2013. Fractionation of Phosphorus in the Sediments of Kerala Coast. <i>Journal of Chemical, Biological and Physical Sciences</i> 3(3) 2274-2278.
Global Journal of Applied Environmental Sciences	International	<b>Manju.P.Nair</b> and Sujatha.C.H. 2013. Organochlorine Pesticide residues in the sediments of Kerala coast. <i>Global Journal of Applied Environmental Sciences</i> 3(1), 31-40.
International Journal of Environmental Sciences	International	<b>Manju.P.Nair</b> and Sujatha. C.H. 2013. Nutrient Dynamics in the Sediments of Kerala Coast. <i>International Journal of Environmental Sciences</i> 3(5) 1562-156.
International Journal of Environmental Sciences	International	<b>Manju.P.Nair</b> and Sujatha. C.H. 2012. Biogeochemical quality assessment of the sediments in Kerala coast. <i>International</i>

		<i>Journal of Environmental Sciences.</i> 3(1), 707-719.
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## CONFERENCE PAPER PRESENTATIONS

### 10 PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

<u>Name of Conference</u>	<u>International/National</u>	<u>Paper Presentation Details</u>
National Conference of Ocean Society of India (OSICON'13)	National	Presented a paper on “ <b>Geochemical Assessment of Metal Contamination in the Core Sediments of Cochin Estuarine System</b> ” in the National Conference of Ocean Society of India (OSICON'13) held during 26 <sup>th</sup> -28 <sup>th</sup> November 2013 at Indian Institute of Tropical Meteorology, Pune.
National seminar on Green Chemistry and Environmental Conservation	National	Presented a paper on “ <b>Heavy Metal Fractionation in the Sediments of Cochin Estuarine System (CES)</b> ” in the UGC sponsored National seminar on Green Chemistry and Environmental Conservation organized by the Department of Chemistry, Morning Star Home Science College Angamaly South on 18 - 19 July 2013.
Symposium on Coastal Oceanographic Studies Modelling and Observations [COSMOS]	National	Presented a paper on “ <b>Fractionation of Phosphorus in the Cochin Estuary- South west coast India</b> ” in Symposium on Coastal Oceanographic Studies Modelling and Observations [COSMOS] held at NPOL, Cochin on 9 <sup>th</sup> and 10 <sup>th</sup> May 2013
National seminar Aquasem'13	National	Presented a paper on “ <b>Geochemical Characteristics of</b>

on Recent Developments in Water Chemistry with Specific Reference to Water Resources and Management		<b>Sediment core Pore water Particulate matter from Cochin Estuary</b> ” in the National seminar <b>Aquasem’13</b> on Recent Developments in Water Chemistry with Specific Reference to Water Resources and Management organized by the Department of Chemical Oceanography CUSAT, Society of Aquatic Chemists Kochi on 21 – 23 March 2013.
International Conference on Nutritional Medicine Health and Wellness	International	Presented a paper on ‘ <b>Nutritional Quality of Cochin Estuary</b> ’ in the International Conference on Nutritional Medicine Health and Wellness organized by the Department of Zoology, St. Teresa’s College, Ernakulum in collaboration with Dr. Rath Research Institute, USA, on 7 <sup>th</sup> and 8 <sup>th</sup> June 2012 at St. Teresa’s College, Ernakulum.
National Conference on Mangrove wetlands and near shore marine ecosystems from sustainability issues to management and restoration	National	Presented a paper on “ <b>Core sediment metal distribution in the prominent areas of Cochin Estuary</b> ” in the National Conference on Mangrove wetlands and near shore marine ecosystems from sustainability issues to management and restoration held at JNU, New Delhi on 5 <sup>th</sup> and 6 <sup>th</sup> March 2012.
OSICON -2011	National	Presented a paper on “ <b>Core sediment organic matter distribution of in the coastal region of Antarctica</b> ” in OSICON -2011 held at NIOT, Chennai (July 2011)
National seminar on Role of Women in the protection and promotion of Environment	National	Presented a paper on “ <b>Contribution of women in improving the quality of the environment - A general perspective</b> ” in the National seminar on Role of Women in the protection and promotion of Environment held at the Women’s Studies Centre, CUSAT, Kochi 22 on 8 <sup>th</sup> March 2011.
Symposium on Indian Ocean	National	Presented a paper on “ <b>Biogeochemistry of sediment</b>

Marine Living Resources		<b>organic matter in selected stations of Kerala coast</b> ” in Symposium on Indian Ocean Marine Living Resources [IndoMLR] held at Cochin on 2 <sup>nd</sup> and 3 <sup>rd</sup> December 2010.
Kerala’s I <sup>st</sup> Women Science Congress (2010)	National	Presented a paper on “ <b>Distribution of sediment organic matter (Protein &amp; Lipid) in selected stations of Kerala coast</b> ” in Kerala’s I <sup>st</sup> Women Science Congress (2010) held at St. Teresa’s College, Ernakulam from 10-12 August 2010.

#### CONFERENCES/WORKSHOPS ATTENDED

- Participated in the Science Academies Lecture Workshop on “**Emerging Trends and Applications in Nanoscience**” organized by the Department of Physics, S N M College Malinkara, Kerala on 20<sup>th</sup> and 21<sup>st</sup> December 2017.
- Attended a one-day workshop on “**Patents: Concepts and Practice**” organized under the auspices of ISAS –Baroda Chapter in association with Department of Chemistry, The Maharaja Sayajirao University of Baroda & Infinvent IP, held on 29<sup>th</sup> November 2014 at Seminar Hall, Department of Chemistry, The Maharaja Sayajirao University of Baroda.
- Participated and Presented a paper on “**Geochemical Assessment of Metal Contamination in the Core Sediments of Cochin Estuarine System**” in the National Conference of Ocean Society of India (OSICON’13) held during 26<sup>th</sup>-28<sup>th</sup> November 2013 at Indian Institute of Tropical Meteorology, Pune.
- Participated and Presented a paper on “**Heavy Metal Fractionation in the Sediments of Cochin Estuarine System (CES)**” in the UGC sponsored National seminar on Green Chemistry and Environmental Conservation organized by the Department of Chemistry, Morning Star Home Science College Angamaly South on 18 – 19 July 2013.

- Participated and Presented a paper on **“Fractionation of Phosphorus in the Cochin Estuary- South west coast India”** in Symposium on Coastal Oceanographic Studies Modelling and Observations [COSMOS] held at NPOL, Cochin on 9<sup>th</sup> and 10<sup>th</sup> May 2013.
- Participated in the two day workshop on **“Material Characterization at Nanoscales”** organized by the Sophisticated Test and Instrumentation Centre (STIC), Cochin University of Science and Technology, Cochin during 25-26 March 2013.
- Participated and Presented a paper on **“Geochemical Characteristics of Sediment core Pore water Particulate matter from Cochin Estuary”** in the National seminar **Aquasem’13** on Recent Developments in Water Chemistry with Specific Reference to Water Resources and Management organized by the Department of Chemical Oceanography CUSAT, Society of Aquatic Chemists Kochi on 21 – 23 March 2013.
- Participated and Presented a paper on **“Nutritional Quality of Cochin Estuary”** in the International Conference on Nutritional Medicine Health and Wellness organized by the Department of Zoology, St. Teresa’s College, Ernakulum in collaboration with Dr. Rath Research Institute, USA, on 7<sup>th</sup> and 8<sup>th</sup> June 2012 at St. Teresa’s College, Ernakulum.
- Participated in the National seminar on **“Marine Biodiversity – Status, Opportunities and Challenges”** organized by the Department of Marine Biology, Microbiology and Biochemistry, School of Marine Sciences, Cochin University of Science and Technology, Cochin on 15<sup>th</sup> and 16<sup>th</sup> March 2012.
- Participated and Presented a paper on **“Core sediment metal distribution in the prominent areas of Cochin Estuary”** in the National Conference on Mangrove wetlands and near shore marine ecosystems from sustainability issues to management and restoration held at JNU, New Delhi on 5<sup>th</sup> and 6<sup>th</sup> March 2012.
- Attended a one day workshop on **“Profiling Research Publications for Quality Research”** organized by the University Library, Cochin University of Science and Technology, Kochi-22 on 3<sup>rd</sup> January 2012.
- Participated and Presented a paper on **“Core sediment organic matter distribution of in the coastal region of Antarctica”** in OSICON -2011 held at NIOT, Chennai (July 2011).
- Participated and Presented a paper on **“Contribution of women in improving the quality of the environment –A general perspective”** in the National seminar on Role of



Women in the protection and promotion of Environment held at the Women's Studies Centre, CUSAT, Kochi 22 on 8<sup>th</sup> March 2011.

- Participated in the National seminar on “**Wetlands- Values and Functions**” organized by the Department of Marine Biology, Microbiology and Biochemistry, School of Marine Sciences, Cochin University of Science and Technology, Cochin on 2<sup>nd</sup> February 2011.
- Participated in the National seminar on “**Biodiversity**” organized by Swadeshi Science Movement, Kerala and School of Marine Sciences, Cochin University of Science and Technology, Cochin on 17<sup>th</sup> December 2010.
- Participated and Presented a paper on “**Biogeochemistry of sediment organic matter in selected stations of Kerala coast**” in Symposium on Indian Ocean Marine Living Resources [IndoMLR] held at Cochin on 2<sup>nd</sup> and 3<sup>rd</sup> December 2010.
- Participated and Presented a paper on “**Distribution of sediment organic matter (Protein & Lipid) in selected stations of Kerala coast**” in Kerala's 1<sup>st</sup> Women Science Congress (2010) held at St. Teresa's College, Ernakulam from 10-12 August 2010.
- Participated in the National seminar on “**Reconceiving Education for a Global Scenario**”, organized by the Avila College of Education, Edacochin, Cochin, on 23<sup>rd</sup> and 24<sup>th</sup> of April 2008.
- Participated in the National seminar on “**Applications of Radioisotopes and Radiation Technology**” (ISOTECH 2007), jointly organized by National Association for the Applications of Radioisotopes and Radiation in Industry (NAARRI) Mumbai; Board of Radiation and Isotope Technology (BRIT) Mumbai and Nirmala College, Muvattupuzha on 24<sup>th</sup> and 25<sup>th</sup> January 2007 at Nirmala College Muvattupuzha, Kerala.
- Attended a one-day workshop on “**Computational Chemistry**” organized by the Kerala chemical Science Society held on 4<sup>th</sup> March 2006 at Nirmala College, Muvattupuzha.

## **PERSONAL INFORMATION**

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Date of Birth : 15-05-1985  
Gender : Female  
Marital Status : Married  
Residential Address : Dhanya Madathil(H)

Kaitharam. P.O.  
Kottuvally  
North Paravoor  
Ernakulam  
Kerala, India.  
Pin: 683519

Nationality : Indian  
Religion : Hindu-Nair  
Languages Known : Malayalam, English and Hindi  
Mother tongue : Malayalam.

All particulars furnished above are correct and complete to the best of my knowledge and belief.

Place: Kottuvally, Kerala

Date: 31-05-2020

**MANJU.P. NAIR**